

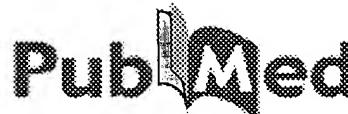
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PRAI JP 2000-280137 20000911
JP 2001-132920 20010427
FI US 2003157648 20030821
DT Utility; Patent Application - First Publication
FS CHEMICAL
APPLICATION
CLMN 51
GI 7 Figure(s).
FIG. 1 shows a hydrophobicity plot of ***TGR18*** -1.
FIG. 2 shows a hydrophobicity plot of ***TGR18*** -2.
FIG. 3 shows a hydrophobicity plot of ***TGR18*** -3.
FIG. 4 shows an amino acid sequence of ***TGR18*** -1 represented by single letter symbols.
FIG. 5 shows an amino acid sequence of ***TGR18*** -2 represented by single letter symbols.

FIG. 6 shows an amino acid sequence of ***TGR18*** -3 represented by single letter symbols.

FIG. 7 shows a distribution of ***TGR18*** expression in each tissue performed in Example 5.

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AN 2003:120761 USPATFULL
TI Novel receptors
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Zhao, Jiagang, San Diego, CA, UNITED STATES
Chen, Jin-Long, Foster City, CA, UNITED STATES
Cutler, Gene, San Francisco, CA, UNITED STATES
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DT Utility
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INCL INCLM: 514/012.000
INCLS: 530/350.000; 536/023.500; 435/069.100; 435/320.100; 435/325.000
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cardiac myxoma;
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arteriosclerosis and dementia, including gene therapy -

IN Moriya T; Ito T; Shintani Y; Miyajima N
PA (TAKE) TAKEDA CHEM IND LTD.

PI WO 2002022665 A1 20020321 122p
AI WO 2001-JP7833 20010910
PRAI JP 2000-280137 20000911
JP 2001-132920 20010427

DT Patent
LA Japanese
OS 2002-362334 [39]
CR N-PSDB: ABK49808
DESC Human ***G*** ***protein*** - ***coupled*** ***receptor***
TGR18 -1.

L8 ANSWER 5 OF 48 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
AN AAU79494 Protein DGENE
TI Testis and placenta-originated ***G*** ***protein*** -
coupled ***receptor*** proteins and encoded DNAs, for
developing drugs to treat e.g. Alzheimer's disease, hypertension,
arteriosclerosis and dementia, including gene therapy -

IN Moriya T; Ito T; Shintani Y; Miyajima N
PA (TAKE) TAKEDA CHEM IND LTD.

PI WO 2002022665 A1 20020321 122p

AI WO 2001-JP7833 20010910
PRAI JP 2000-280137 20000911
JP 2001-132920 20010427
DT Patent
LA Japanese
OS 2002-362334 [39]
CR N-PSDB: ABK49803
DESC Human ***G*** ***protein*** - ***coupled*** ***receptor***
TGR18 -3.

L8 ANSWER 6 OF 48 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
AN AAU74943 Protein DGENE
TI Testis and placenta-originated ***G*** ***protein*** -
coupled ***receptor*** proteins and encoded DNAs, for
developing drugs to treat e.g. Alzheimer's disease, hypertension,
arteriosclerosis and dementia, including gene therapy -

IN Moriya T; Ito T; Shintani Y; Miyajima N
PA (TAKE) TAKEDA CHEM IND LTD.

PI WO 2002022665 A1 20020321 122p

AI WO 2001-JP7833 20010910
PRAI JP 2000-280137 20000911
JP 2001-132920 20010427

DT Patent
LA Japanese
OS 2002-362334 [39]
CR N-PSDB: ABK49800
DESC Human ***G*** ***protein*** - ***coupled*** ***receptor***
TGR18 -2.

L8 ANSWER 7 OF 48 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
AN AAU74911 Protein DGENE
TI New ***G*** - ***protein*** ***coupled*** ***receptor***
polypeptides, useful for identifying modulators of signal transduction
for treating kidney disease, hyperlipidemia, obesity, dyslexia and
cardiac myxoma -

IN Lin D C; Zhao J; Chen J; Cutler G
PA (TULA-N) TULARIK INC.

PI WO 2002000719 A2 20020103 78p

AI WO 2001-US20363 20010625
PRAI US 2000-213461P 20000623

DT Patent
LA English
OS 2002-147880 [19]
CR N-PSDB: ABK12964
DESC Amino acid sequence of human ***G*** - ***protein***
coupled ***receptor*** TGR92 protein.

L8 ANSWER 8 OF 48 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
AN AAU74910 Protein DGENE
TI New ***G*** - ***protein*** ***coupled*** ***receptor***
polypeptides, useful for identifying modulators of signal transduction
for treating kidney disease, hyperlipidemia, obesity, dyslexia and
cardiac myxoma -

IN Lin D C; Zhao J; Chen J; Cutler G
PA (TULA-N) TULARIK INC.

PI WO 2002000719 A2 20020103 78p

AI WO 2001-US20363 20010625
PRAI US 2000-213461P 20000623

DT Patent
LA English
OS 2002-147880 [19]
CR N-PSDB: ABK12963
DESC Amino acid sequence of human ***G*** - ***protein***
coupled ***receptor*** edg protein.

L8 ANSWER 9 OF 48 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
AN AAU74909 Protein DGENE
TI New ***G*** - ***protein*** ***coupled*** ***receptor***
polypeptides, useful for identifying modulators of signal transduction
for treating kidney disease, hyperlipidemia, obesity, dyslexia and
cardiac myxoma -

IN Lin D C; Zhao J; Chen J; Cutler G
PA (TULA-N) TULARIK INC.

PI WO 2002000719 A2 20020103 78p

AI WO 2001-US20363 20010625
PRAI US 2000-213461P 20000623

DT Patent
LA English
OS 2002-147880 [19]
CR N-PSDB: ABK12962
DESC Amino acid sequence of human ***G*** - ***protein***
coupled ***receptor*** TGR213 protein.

L8 ANSWER 10 OF 48 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
AN AAU74908 Protein DGENE
TI New ***G*** - ***protein*** ***coupled*** ***receptor***
polypeptides, useful for identifying modulators of signal transduction
for treating kidney disease, hyperlipidemia, obesity, dyslexia and
cardiac myxoma -
IN Lin D C; Zhao J; Chen J; Cutler G
PA (TULA-N) TULARIK INC.
PI WO 2002000719 A2 20020103 78p
AI WO 2001-US20363 20010625
PRAI US 2000-213461P 20000623

DT Patent
LA English
OS 2002-147880 [19]
CR N-PSDB: ABK12961
DESC Amino acid sequence of human ***G*** - ***protein***
coupled ***receptor*** TGR130_2 protein.

L8 ANSWER 11 OF 48 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
AN AAU74907 Protein DGENE
TI New ***G*** - ***protein*** ***coupled*** ***receptor***
polypeptides, useful for identifying modulators of signal transduction
for treating kidney disease, hyperlipidemia, obesity, dyslexia and
cardiac myxoma -
IN Lin D C; Zhao J; Chen J; Cutler G
PA (TULA-N) TULARIK INC.
PI WO 2002000719 A2 20020103 78p
AI WO 2001-US20363 20010625
PRAI US 2000-213461P 20000623

DT Patent
LA English
OS 2002-147880 [19]
CR N-PSDB: ABK12960
DESC Amino acid sequence of human ***G*** - ***protein***
coupled ***receptor*** TGR130_1 protein.

L8 ANSWER 12 OF 48 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
AN AAU74906 Protein DGENE
TI New ***G*** - ***protein*** ***coupled*** ***receptor***
polypeptides, useful for identifying modulators of signal transduction
for treating kidney disease, hyperlipidemia, obesity, dyslexia and
cardiac myxoma -
IN Lin D C; Zhao J; Chen J; Cutler G
PA (TULA-N) TULARIK INC.
PI WO 2002000719 A2 20020103 78p
AI WO 2001-US20363 20010625
PRAI US 2000-213461P 20000623

DT Patent
LA English
OS 2002-147880 [19]
CR N-PSDB: ABK12959
DESC Amino acid sequence of human ***G*** - ***protein***
coupled ***receptor*** TGR62 protein.

L8 ANSWER 13 OF 48 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
AN AAU74905 Protein DGENE
TI New ***G*** - ***protein*** ***coupled*** ***receptor***
polypeptides, useful for identifying modulators of signal transduction
for treating kidney disease, hyperlipidemia, obesity, dyslexia and
cardiac myxoma -
IN Lin D C; Zhao J; Chen J; Cutler G
PA (TULA-N) TULARIK INC.
PI WO 2002000719 A2 20020103 78p
AI WO 2001-US20363 20010625
PRAI US 2000-213461P 20000623

DT Patent
LA English
OS 2002-147880 [19]
CR N-PSDB: ABK12958

DESC Amino acid sequence of human ***G*** - ***protein***
coupled ***receptor*** TGR21 protein.

L8 ANSWER 14 OF 48 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
AN AAU74904 Protein DGENE
TI New ***G*** - ***protein*** ***coupled*** ***receptor***
polypeptides, useful for identifying modulators of signal transduction
for treating kidney disease, hyperlipidemia, obesity, dyslexia and
cardiac myxoma -

IN Lin D C; Zhao J; Chen J; Cutler G
PA (TULA-N) TULARIK INC.
PI WO 2002000719 A2 20020103 78p
AI WO 2001-US20363 20010625
PRAI US 2000-213461P 20000623
DT Patent
LA English
OS 2002-147880 [19]
CR N-PSDB: ABK12957

DESC Amino acid sequence of mouse ***G*** - ***protein***
coupled ***receptor*** ***TGR18*** protein.

L8 ANSWER 15 OF 48 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
AN ABK49808 cDNA DGENE
TI Testis and placenta-originated ***G*** ***protein*** -
coupled ***receptor*** proteins and encoded DNAs, for
developing drugs to treat e.g. Alzheimer's disease, hypertension,
arteriosclerosis and dementia, including gene therapy -

IN Moriya T; Ito T; Shintani Y; Miyajima N
PA (TAKE) TAKEDA CHEM IND LTD.
PI WO 2002022665 A1 20020321 122p
AI WO 2001-JP7833 20010910
PRAI JP 2000-280137 20000911
JP 2001-132920 20010427
DT Patent
LA Japanese
OS 2002-362334 [39]
CR P-PSDB: AAU79495

DESC Human cDNA encoding ***G*** ***protein*** - ***coupled***
receptor ***TGR18*** -1.

L8 ANSWER 16 OF 48 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
AN ABK49807 DNA DGENE
TI Testis and placenta-originated ***G*** ***protein*** -
coupled ***receptor*** proteins and encoded DNAs, for
developing drugs to treat e.g. Alzheimer's disease, hypertension,
arteriosclerosis and dementia, including gene therapy -

IN Moriya T; Ito T; Shintani Y; Miyajima N
PA (TAKE) TAKEDA CHEM IND LTD.
PI WO 2002022665 A1 20020321 122p
AI WO 2001-JP7833 20010910
PRAI JP 2000-280137 20000911
JP 2001-132920 20010427
DT Patent
LA Japanese
OS 2002-362334 [39]
DESC Human ***G*** ***protein*** - ***coupled*** ***receptor***
TGR18 -3 TaqMan PCR probe TGR18TQP.

L8 ANSWER 17 OF 48 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
AN ABK49806 DNA DGENE
TI Testis and placenta-originated ***G*** ***protein*** -
coupled ***receptor*** proteins and encoded DNAs, for
developing drugs to treat e.g. Alzheimer's disease, hypertension,
arteriosclerosis and dementia, including gene therapy -

IN Moriya T; Ito T; Shintani Y; Miyajima N
PA (TAKE) TAKEDA CHEM IND LTD.
PI WO 2002022665 A1 20020321 122p
AI WO 2001-JP7833 20010910
PRAI JP 2000-280137 20000911
JP 2001-132920 20010427
DT Patent
LA Japanese
OS 2002-362334 [39]
DESC Human ***G*** ***protein*** - ***coupled*** ***receptor***
TGR18 -3 TaqMan PCR primer TGR18TQR.

L8 ANSWER 18 OF 48 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
AN ABK49805 DNA DGENE
TI Testis and placenta-originated ***G*** ***protein*** -
coupled ***receptor*** proteins and encoded DNAs, for
developing drugs to treat e.g. Alzheimer's disease, hypertension,
arteriosclerosis and dementia, including gene therapy -
IN Moriya T; Ito T; Shintani Y; Miyajima N
PA (TAKE) TAKEDA CHEM IND LTD.
PI WO 2002022665 A1 20020321 122p
AI WO 2001-JP7833 20010910
PRAI JP 2000-280137 20000911
JP 2001-132920 20010427
DT Patent
LA Japanese
OS 2002-362334 [39]
DESC Human ***G*** ***protein*** - ***coupled*** ***receptor***
TGR18 -3 TaqMan PCR primer TGR18TQF.

L8 ANSWER 19 OF 48 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
AN ABK49804 DNA DGENE
TI Testis and placenta-originated ***G*** ***protein*** -
coupled ***receptor*** proteins and encoded DNAs, for
developing drugs to treat e.g. Alzheimer's disease, hypertension,
arteriosclerosis and dementia, including gene therapy -
IN Moriya T; Ito T; Shintani Y; Miyajima N
PA (TAKE) TAKEDA CHEM IND LTD.
PI WO 2002022665 A1 20020321 122p
AI WO 2001-JP7833 20010910
PRAI JP 2000-280137 20000911
JP 2001-132920 20010427
DT Patent
LA Japanese
OS 2002-362334 [39]
DESC Human ***G*** ***protein*** - ***coupled*** ***receptor***
TGR18 -3 PCR primer.

L8 ANSWER 20 OF 48 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
AN ABK49803 cDNA DGENE
TI Testis and placenta-originated ***G*** ***protein*** -
coupled ***receptor*** proteins and encoded DNAs, for
developing drugs to treat e.g. Alzheimer's disease, hypertension,
arteriosclerosis and dementia, including gene therapy -
IN Moriya T; Ito T; Shintani Y; Miyajima N
PA (TAKE) TAKEDA CHEM IND LTD.
PI WO 2002022665 A1 20020321 122p
AI WO 2001-JP7833 20010910
PRAI JP 2000-280137 20000911
JP 2001-132920 20010427
DT Patent
LA Japanese
OS 2002-362334 [39]
CR P-PSDB: AAU79494
DESC Human cDNA encoding ***G*** ***protein*** - ***coupled***
receptor ***TGR18*** -3.

L8 ANSWER 21 OF 48 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
AN ABK49802 DNA DGENE
TI Testis and placenta-originated ***G*** ***protein*** -
coupled ***receptor*** proteins and encoded DNAs, for
developing drugs to treat e.g. Alzheimer's disease, hypertension,
arteriosclerosis and dementia, including gene therapy -
IN Moriya T; Ito T; Shintani Y; Miyajima N
PA (TAKE) TAKEDA CHEM IND LTD.
PI WO 2002022665 A1 20020321 122p
AI WO 2001-JP7833 20010910
PRAI JP 2000-280137 20000911
JP 2001-132920 20010427
DT Patent
LA Japanese
OS 2002-362334 [39]
DESC Human ***G*** ***protein*** - ***coupled*** ***receptor***
TGR18 -2 PCR primer #2.

L8 ANSWER 22 OF 48 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
AN ABK49801 DNA DGENE
TI Testis and placenta-originated ***G*** ***protein*** -

coupled ***receptor*** proteins and encoded DNAs, for developing drugs to treat e.g. Alzheimer's disease, hypertension, arteriosclerosis and dementia, including gene therapy -

IN Moriya T; Ito T; Shintani Y; Miyajima N
PA (TAKE) TAKEDA CHEM IND LTD.

PI WO 2002022665 A1 20020321 122p

AI WO 2001-JP7833 20010910

PRAI JP 2000-280137 20000911

JP 2001-132920 20010427

DT Patent

LA Japanese

OS 2002-362334 [39]

DESC Human ***G*** ***protein*** - ***coupled*** ***receptor***
TGR18 -2 PCR primer #1.

L8 ANSWER 23 OF 48 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN

AN ABK49800 cDNA DGENE

TI Testis and placenta-originated ***G*** ***protein*** -
coupled ***receptor*** proteins and encoded DNAs, for developing drugs to treat e.g. Alzheimer's disease, hypertension, arteriosclerosis and dementia, including gene therapy -

IN Moriya T; Ito T; Shintani Y; Miyajima N

PA (TAKE) TAKEDA CHEM IND LTD.

PI WO 2002022665 A1 20020321 122p

AI WO 2001-JP7833 20010910

PRAI JP 2000-280137 20000911

JP 2001-132920 20010427

DT Patent

LA Japanese

OS 2002-362334 [39]

CR P-PSDB: AAU79493

DESC Human cDNA encoding ***G*** ***protein*** - ***coupled***
receptor ***TGR18*** -2.

L8 ANSWER 24 OF 48 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN

AN ABK12974 DNA DGENE

TI New ***G*** - ***protein*** ***coupled*** ***receptor*** polypeptides, useful for identifying modulators of signal transduction for treating kidney disease, hyperlipidemia, obesity, dyslexia and cardiac myxoma -

IN Lin D C; Zhao J; Chen J; Cutler G

PA (TULA-N) TULARIK INC.

PI WO 2002000719 A2 20020103 78p

AI WO 2001-US20363 20010625

PRAI US 2000-213461P 20000623

DT Patent

LA English

OS 2002-147880 [19]

DESC DNA sequence of PCR primer #2, used to amplify human TRG62.

L8 ANSWER 25 OF 48 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN

AN ABK12973 DNA DGENE

TI New ***G*** - ***protein*** ***coupled*** ***receptor*** polypeptides, useful for identifying modulators of signal transduction for treating kidney disease, hyperlipidemia, obesity, dyslexia and cardiac myxoma -

IN Lin D C; Zhao J; Chen J; Cutler G

PA (TULA-N) TULARIK INC.

PI WO 2002000719 A2 20020103 78p

AI WO 2001-US20363 20010625

PRAI US 2000-213461P 20000623

DT Patent

LA English

OS 2002-147880 [19]

DESC DNA sequence of PCR primer #1, used to amplify human TRG62.

L8 ANSWER 26 OF 48 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN

AN ABK12972 DNA DGENE

TI New ***G*** - ***protein*** ***coupled*** ***receptor*** polypeptides, useful for identifying modulators of signal transduction for treating kidney disease, hyperlipidemia, obesity, dyslexia and cardiac myxoma -

IN Lin D C; Zhao J; Chen J; Cutler G

PA (TULA-N) TULARIK INC.

PI WO 2002000719 A2 20020103 78p

AI WO 2001-US20363 20010625

PRAI US 2000-213461P 20000623
DT Patent
LA English
OS 2002-147880 [19]
DESC DNA sequence of human TGR130_1 nested gene specific primer for 3' RACE.

L8 ANSWER 27 OF 48 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
AN ABK12971 DNA DGENE
TI New ***G*** - ***protein*** ***coupled*** ***receptor***
polypeptides, useful for identifying modulators of signal transduction
for treating kidney disease, hyperlipidemia, obesity, dyslexia and
cardiac myxoma -

IN Lin D C; Zhao J; Chen J; Cutler G
PA (TULA-N) TULARIK INC.
PI WO 2002000719 A2 20020103 78p

AI WO 2001-US20363 20010625
PRAI US 2000-213461P 20000623

DT Patent
LA English
OS 2002-147880 [19]

DESC DNA sequence of human TGR130_1 gene specific primer for 3' RACE.

L8 ANSWER 28 OF 48 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
AN ABK12970 DNA DGENE
TI New ***G*** - ***protein*** ***coupled*** ***receptor***
polypeptides, useful for identifying modulators of signal transduction
for treating kidney disease, hyperlipidemia, obesity, dyslexia and
cardiac myxoma -

IN Lin D C; Zhao J; Chen J; Cutler G
PA (TULA-N) TULARIK INC.
PI WO 2002000719 A2 20020103 78p

AI WO 2001-US20363 20010625
PRAI US 2000-213461P 20000623

DT Patent
LA English
OS 2002-147880 [19]

DESC DNA sequence of human TGR130_1 nested gene specific primer for 5' RACE.

L8 ANSWER 29 OF 48 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
AN ABK12969 DNA DGENE
TI New ***G*** - ***protein*** ***coupled*** ***receptor***
polypeptides, useful for identifying modulators of signal transduction
for treating kidney disease, hyperlipidemia, obesity, dyslexia and
cardiac myxoma -

IN Lin D C; Zhao J; Chen J; Cutler G
PA (TULA-N) TULARIK INC.
PI WO 2002000719 A2 20020103 78p

AI WO 2001-US20363 20010625
PRAI US 2000-213461P 20000623

DT Patent
LA English
OS 2002-147880 [19]

DESC DNA sequence of human TGR130_1 gene specific primer for 5' RACE.

L8 ANSWER 30 OF 48 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
AN ABK12968 DNA DGENE
TI New ***G*** - ***protein*** ***coupled*** ***receptor***
polypeptides, useful for identifying modulators of signal transduction
for treating kidney disease, hyperlipidemia, obesity, dyslexia and
cardiac myxoma -

IN Lin D C; Zhao J; Chen J; Cutler G
PA (TULA-N) TULARIK INC.
PI WO 2002000719 A2 20020103 78p

AI WO 2001-US20363 20010625
PRAI US 2000-213461P 20000623

DT Patent
LA English
OS 2002-147880 [19]

DESC DNA sequence of mouse ***TGR18*** nested gene specific primer for 3' RACE.

L8 ANSWER 31 OF 48 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
AN ABK12967 DNA DGENE
TI New ***G*** - ***protein*** ***coupled*** ***receptor***
polypeptides, useful for identifying modulators of signal transduction
for treating kidney disease, hyperlipidemia, obesity, dyslexia and

cardiac myxoma -
IN Lin D C; Zhao J; Chen J; Cutler G
PA (TULA-N) TULARIK INC.
PI WO 2002000719 A2 20020103 78p
AI WO 2001-US20363 20010625
PRAI US 2000-213461P 20000623
DT Patent
LA English
OS 2002-147880 [19]
DESC DNA sequence of mouse ***TGR18*** gene specific primer for 3' RACE.

L8 ANSWER 32 OF 48 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
AN ABK12966 DNA DGENE
TI New ***G*** - ***protein*** ***coupled*** ***receptor***
polypeptides, useful for identifying modulators of signal transduction
for treating kidney disease, hyperlipidemia, obesity, dyslexia and
cardiac myxoma -

IN Lin D C; Zhao J; Chen J; Cutler G
PA (TULA-N) TULARIK INC.
PI WO 2002000719 A2 20020103 78p
AI WO 2001-US20363 20010625
PRAI US 2000-213461P 20000623
DT Patent
LA English
OS 2002-147880 [19]
DESC DNA sequence of mouse ***TGR18*** nested gene specific primer for 5' RACE.

L8 ANSWER 33 OF 48 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
AN ABK12965 DNA DGENE
TI New ***G*** - ***protein*** ***coupled*** ***receptor***
polypeptides, useful for identifying modulators of signal transduction
for treating kidney disease, hyperlipidemia, obesity, dyslexia and
cardiac myxoma -

IN Lin D C; Zhao J; Chen J; Cutler G
PA (TULA-N) TULARIK INC.
PI WO 2002000719 A2 20020103 78p
AI WO 2001-US20363 20010625
PRAI US 2000-213461P 20000623
DT Patent
LA English
OS 2002-147880 [19]
DESC DNA sequence of mouse ***TGR18*** gene specific primer for 5' RACE.

L8 ANSWER 34 OF 48 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
AN ABK12964 DNA DGENE
TI New ***G*** - ***protein*** ***coupled*** ***receptor***
polypeptides, useful for identifying modulators of signal transduction
for treating kidney disease, hyperlipidemia, obesity, dyslexia and
cardiac myxoma -

IN Lin D C; Zhao J; Chen J; Cutler G
PA (TULA-N) TULARIK INC.
PI WO 2002000719 A2 20020103 78p
AI WO 2001-US20363 20010625
PRAI US 2000-213461P 20000623
DT Patent
LA English
OS 2002-147880 [19]
CR P-PSDB: AAU74911
DESC DNA sequence of human ***G*** - ***protein*** ***coupled***
receptor TGR92 gene.

L8 ANSWER 35 OF 48 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
AN ABK12963 DNA DGENE
TI New ***G*** - ***protein*** ***coupled*** ***receptor***
polypeptides, useful for identifying modulators of signal transduction
for treating kidney disease, hyperlipidemia, obesity, dyslexia and
cardiac myxoma -

IN Lin D C; Zhao J; Chen J; Cutler G
PA (TULA-N) TULARIK INC.
PI WO 2002000719 A2 20020103 78p
AI WO 2001-US20363 20010625
PRAI US 2000-213461P 20000623
DT Patent
LA English
OS 2002-147880 [19]

CR P-PSDB: AAU74910
DESC DNA sequence of human ***G*** - ***protein*** ***coupled***
receptor novel edg (hEDG) gene.

L8 ANSWER 36 OF 48 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
AN ABK12962 DNA DGENE
TI New ***G*** - ***protein*** ***coupled*** ***receptor***
polypeptides, useful for identifying modulators of signal transduction
for treating kidney disease, hyperlipidemia, obesity, dyslexia and
cardiac myxoma -
IN Lin D C; Zhao J; Chen J; Cutler G
PA (TULA-N) TULARIK INC.
PI WO 2002000719 A2 20020103 78p
AI WO 2001-US20363 20010625
PRAI US 2000-213461P 20000623
DT Patent
LA English
OS 2002-147880 [19]
CR P-PSDB: AAU74909
DESC DNA sequence of human ***G*** - ***protein*** ***coupled***
receptor TGR213 gene.

L8 ANSWER 37 OF 48 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
AN ABK12961 DNA DGENE
TI New ***G*** - ***protein*** ***coupled*** ***receptor***
polypeptides, useful for identifying modulators of signal transduction
for treating kidney disease, hyperlipidemia, obesity, dyslexia and
cardiac myxoma -
IN Lin D C; Zhao J; Chen J; Cutler G
PA (TULA-N) TULARIK INC.
PI WO 2002000719 A2 20020103 78p
AI WO 2001-US20363 20010625
PRAI US 2000-213461P 20000623
DT Patent
LA English
OS 2002-147880 [19]
CR P-PSDB: AAU74908
DESC DNA sequence of human ***G*** - ***protein*** ***coupled***
receptor TGR130_2 gene.

L8 ANSWER 38 OF 48 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
AN ABK12960 DNA DGENE
TI New ***G*** - ***protein*** ***coupled*** ***receptor***
polypeptides, useful for identifying modulators of signal transduction
for treating kidney disease, hyperlipidemia, obesity, dyslexia and
cardiac myxoma -
IN Lin D C; Zhao J; Chen J; Cutler G
PA (TULA-N) TULARIK INC.
PI WO 2002000719 A2 20020103 78p
AI WO 2001-US20363 20010625
PRAI US 2000-213461P 20000623
DT Patent
LA English
OS 2002-147880 [19]
CR P-PSDB: AAU12960
DESC DNA sequence of human ***G*** - ***protein*** ***coupled***
receptor TGR130_1 gene.

L8 ANSWER 39 OF 48 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
AN ABK12959 DNA DGENE
TI New ***G*** - ***protein*** ***coupled*** ***receptor***
polypeptides, useful for identifying modulators of signal transduction
for treating kidney disease, hyperlipidemia, obesity, dyslexia and
cardiac myxoma -
IN Lin D C; Zhao J; Chen J; Cutler G
PA (TULA-N) TULARIK INC.
PI WO 2002000719 A2 20020103 78p
AI WO 2001-US20363 20010625
PRAI US 2000-213461P 20000623
DT Patent
LA English
OS 2002-147880 [19]
CR P-PSDB: AAU74906
DESC DNA sequence of human ***G*** - ***protein*** ***coupled***
receptor TGR62 gene.

L8 ANSWER 40 OF 48 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
 AN ABK12958 DNA DGENE
 TI New ***G*** - ***protein*** ***coupled*** ***receptor***
 polypeptides, useful for identifying modulators of signal transduction
 for treating kidney disease, hyperlipidemia, obesity, dyslexia and
 cardiac myxoma -
 IN Lin D C; Zhao J; Chen J; Cutler G
 PA (TULA-N) TULARIK INC.
 PI WO 2002000719 A2 20020103 78p
 AI WO 2001-US20363 20010625
 PRAI US 2000-213461P 20000623
 DT Patent
 LA English
 OS 2002-147880 [19]
 CR P-PSDB: AAU74905
 DESC DNA sequence of human ***G*** - ***protein*** ***coupled***
 receptor TGR21 gene.

L8 ANSWER 41 OF 48 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
 AN ABK12957 DNA DGENE
 TI New ***G*** - ***protein*** ***coupled*** ***receptor***
 polypeptides, useful for identifying modulators of signal transduction
 for treating kidney disease, hyperlipidemia, obesity, dyslexia and
 cardiac myxoma -
 IN Lin D C; Zhao J; Chen J; Cutler G
 PA (TULA-N) TULARIK INC.
 PI WO 2002000719 A2 20020103 78p
 AI WO 2001-US20363 20010625
 PRAI US 2000-213461P 20000623
 DT Patent
 LA English
 OS 2002-147880 [19]
 CR P-PSDB: AAU74904
 DESC DNA sequence of mouse ***G*** - ***protein*** ***coupled***
 receptor ***TGR18*** gene.

L8 ANSWER 42 OF 48 GENBANK.RTM. COPYRIGHT 2004 on STN

LOCUS (LOC): BD188021 GenBank (R)
 GenBank ACC. NO. (GBN): BD188021
 GenBank VERSION (VER): BD188021.1 GI:32997760
 CAS REGISTRY NO. (RN): 553026-11-2
 SEQUENCE LENGTH (SQL): 26
 MOLECULE TYPE (CI): DNA; linear
 DIVISION CODE (CI): Patent
 DATE (DATE): 17 Jul 2003
 DEFINITION (DEF): Novel ***G*** ***protein*** - ***coupled***
 receptor and its DNA.
 KEYWORDS (ST): JP 2003009884-A/5
 SOURCE: synthetic construct
 ORGANISM (ORGN): synthetic construct
 artificial sequences
 NUCLEIC ACID COUNT (NA): 7 a 5 c 3 g 11 t
 COMMENT:
 OS Artificial Sequence
 PN JP 2003009884-A/5
 PD 14-JAN-2003
 PF 10-SEP-2001 JP 2001273677
 PI TAKEO MORIYA, TAKASHI ITO, YASUSHI SHINTANI, NOBUYUKI MIYAJIMA PC
 C12N15/09, A61K38/00, A61K45/00, A61K48/00, A61P3/10, A61P9/00, PC
 A61P9/10,
 PC A61P9/10, A61P9/12, A61P11/06, A61P25/18, A61P25/28, A61P29/00, PC
 A61P35/00,
 PC A61P37/08, C07K14/705, C07K16/28, C12N1/15, C12N1/19, C12N1/21, PC
 C12N5/10,
 PC C12P21/02, C12Q1/68, G01N33/15, G01N33/50, G01N33/53, G01N33/53, PC
 G01N33/566,
 PC G01N33/58, C12N15/00, C12N5/00, A61K37/02
 CC Designed oligonucleotide primer to amplify DNA encoding ***TGR18***
 CC 3
 FH Key Location/Qualifiers
 FT source 1..26
 FT /organism='Artificial Sequence'.
 REFERENCE: 1 (bases 1 to 26)
 AUTHOR (AU): Moriya, T.; Ito, T.; Shintani, Y.; Miyajima, N.

SEQUENCE LENGTH (SQL): 24
 MOLECULE TYPE (CI): DNA; linear
 DIVISION CODE (CI): Patent
 DATE (DATE): 17 Jul 2003
 DEFINITION (DEF): Novel ***G*** ***protein*** - ***coupled***
 receptor and its DNA.
 KEYWORDS (ST): JP 2003009884-A/2
 SOURCE: synthetic construct
 ORGANISM (ORGN): synthetic construct
 artificial sequences
 NUCLEIC ACID COUNT (NA): 10 a 6 c 5 g 3 t
 COMMENT:
 OS Artificial Sequence
 PN JP 2003009884-A/2
 PD 14-JAN-2003
 PF 10-SEP-2001 JP 2001273677
 PI TAKEO MORIYA, TAKASHI ITO, YASUSHI SHINTANI, NOBUYUKI MIYAJIMA PC
 C12N15/09, A61K38/00, A61K45/00, A61K48/00, A61P3/10, A61P9/00, PC
 A61P9/10,
 PC A61P9/10, A61P9/12, A61P11/06, A61P25/18, A61P25/28, A61P29/00, PC
 A61P35/00,
 PC A61P37/08, C07K14/705, C07K16/28, C12N1/15, C12N1/19, C12N1/21, PC
 C12N5/10,
 PC C12P21/02, C12Q1/68, G01N33/15, G01N33/50, G01N33/53, G01N33/53, PC
 G01N33/566,
 PC G01N33/58, C12N15/00, C12N5/00, A61K37/02
 CC Designed oligonucleotide primer to amplify DNA encoding ***TGR18***

CC	2	
FH	Key	Location/Qualifiers
FT	source	1..24
FT		/organism='Artificial Sequence'.
REFERENCE:		
AUTHOR (AU):	1 (bases 1 to 24)	
TITLE (TI):	Moriya,T.; Ito,T.; Shintani,Y.; Miyajima,N.	
	Novel ***G*** ***protein*** - ***coupled***	
	receptor and its DNA	
JOURNAL (SO):	Patent: JP 2003009884-A 2 14-JAN-2003; TAKEDA CHEMICAL INDUSTRIES LTD	

FEATURES (FEAT):		
Feature Key	Location	Qualifier
source	1..24	/organism="synthetic construct" /mol-type="genomic DNA" /db-xref="taxon:32630"

SEQUENCE (SEQ):

L8 ANSWER 45 OF 48 GENBANK.RTM. COPYRIGHT 2004 on STN

NUCLEIC ACID COUNT (NA): 7 a 5 c 3 g 11 t

COMMENT:
OS Artificial Sequence
PN WO 0222665-A/5
PD 21-MAR-2002
PF 10-SEP-2001 WO 2001JP007833
PR 11-SEP-2000 JP 00P 280137,27-APR-2001 JP 01P 132920 PI
TAKEO MORIYA, TAKASHI ITO, YASUSHI SHINTANI, NOBUYUKI MIYAJIMA PC
C07K14/075, C12N15/12, C12P21/02, A61K38/17, C07K16/28, G01N33/53, PC
G01N33/15,
PC A61K45/00, A61P25/00, C12Q1/68, G01N33/566
CC Designed oligonucleotide primer to amplify DNA encoding ****TGR18****

CC 3
 FH Key Location/Qualifiers
 FT source 1..26
 FT /organism='Artificial Sequence'.
 REFERENCE:
 AUTHOR (AU): Moriya,T.; Ito,T.; Shintani,Y.; Miyajima,N.
 TITLE (TI): Novel ***G*** ***protein*** - ***coupled***
 receptor and its DNA
 JOURNAL (SO): Patent: WO 0222665-A 5 21-MAR-2002; TAKEDA CHEMICAL
 INDUSTRIES LTD, TAKEO MORIYA, TAKASHI ITO, YASUSHI
 SHINTANI, NOBUYUKI MIYAJIMA

FEATURES (FEAT):

Feature Key	Location	Qualifier
source	1..26	/organism="synthetic construct" /db-xref="taxon:32630"

SEQUENCE (SEQ):

1 tcatccttga cgattcatta atttag

L8 ANSWER 46 OF 48 GENBANK.RTM. COPYRIGHT 2004 on STN

LOCUS (LOC): BD142325 GenBank (R)
 GenBank ACC. NO. (GBN): BD142325
 GenBank VERSION (VER): BD142325.1 GI:23237270
 CAS REGISTRY NO. (RN): 457165-90-1
 SEQUENCE LENGTH (SQL): 24
 MOLECULE TYPE (CI): DNA; linear
 DIVISION CODE (CI): Patent
 DATE (DATE): 18 Sep 2002
 DEFINITION (DEF): Novel ***G*** ***protein*** - ***coupled***
 receptor and its DNA.

SOURCE: synthetic construct.

ORGANISM (ORGN): synthetic construct
 artificial sequences

NUCLEIC ACID COUNT (NA): 10 a 4 c 6 g 4 t

COMMENT:

OS Artificial Sequence
 PN WO 0222665-A/3
 PD 21-MAR-2002
 PF 10-SEP-2001 WO 2001JP007833
 PR 11-SEP-2000 JP 00P 280137, 27-APR-2001 JP 01P 132920 PI
 TAKEO MORIYA, TAKASHI ITO, YASUSHI SHINTANI, NOBUYUKI MIYAJIMA PC
 C07K14/075, C12N15/12, C12P21/02, A61K38/17, C07K16/28, G01N33/53, PC
 G01N33/15,
 PC A61K45/00, A61P25/00, C12Q1/68, G01N33/566
 CC Designed oligonucleotide primer to amplify DNA encoding ***TGR18***

CC 2
 FH Key Location/Qualifiers
 FT source 1..24
 FT /organism='Artificial Sequence'.
 REFERENCE:
 AUTHOR (AU): Moriya,T.; Ito,T.; Shintani,Y.; Miyajima,N.
 TITLE (TI): Novel ***G*** ***protein*** - ***coupled***
 receptor and its DNA
 JOURNAL (SO): Patent: WO 0222665-A 3 21-MAR-2002; TAKEDA CHEMICAL
 INDUSTRIES LTD, TAKEO MORIYA, TAKASHI ITO, YASUSHI
 SHINTANI, NOBUYUKI MIYAJIMA

FEATURES (FEAT):

Feature Key	Location	Qualifier
source	1..24	/organism="synthetic construct" /db-xref="taxon:32630"

SEQUENCE (SEQ):

1 ctagtcggag taacacagaa aagt

L8 ANSWER 47 OF 48 GENBANK.RTM. COPYRIGHT 2004 on STN

LOCUS (LOC): BD142324 GenBank (R)
 GenBank ACC. NO. (GBN): BD142324
 GenBank VERSION (VER): BD142324.1 GI:23237269

CAS REGISTRY NO. (RN): 457165-89-8
SEQUENCE LENGTH (SQL): 24
MOLECULE TYPE (CI): DNA; linear
DIVISION CODE (CI): Patent
DATE (DATE): 18 Sep 2002
DEFINITION (DEF): Novel ***G*** ***protein*** - ***coupled***
receptor and its DNA.
SOURCE: synthetic construct.
ORGANISM (ORGN): synthetic construct
artificial sequences
NUCLEIC ACID COUNT (NA): 10 a 6 c 5 g 3 t
COMMENT:
OS Artificial Sequence
PN WO 0222665-A/2
PD 21-MAR-2002
PF 10-SEP-2001 WO 2001P007833
PR 11-SEP-2000 JP 00P 280137,27-APR-2001 JP 01P 132920 PI
TAKEO MORIYA, TAKASHI ITO, YASUSHI SHINTANI, NOBUYUKI MIYAJIMA PC
C07K14/075, C12N15/12, C12P21/02, A61K38/17, C07K16/28, G01N33/53, PC
G01N33/15,
PC A61K45/00, A61P25/00, C12Q1/68, G01N33/566
CC Designed oligonucleotide primer to amplify DNA encoding ***TGR18***

CC 2
 FH Key
 FT source
 FT Location/Qualifiers
 1..24
 /organism='Artificial Sequence'.
 REFERENCE:
 AUTHOR (AU): Moriya,T.; Ito,T.; Shintani,Y.; Miyajima,N.
 TITLE (TI): Novel ***G*** ***protein*** - ***coupled***
 receptor and its DNA
 JOURNAL (SO): Patent: WO 0222665-A 2 21-MAR-2002; TAKEDA CHEMICAL
 INDUSTRIES LTD,TAKEO MORIYA,TAKASHI ITO, YASUSHI
 SHINTANI, NOBUYUKI MIYAJIMA

FEATURES (FEAT):		
Feature Key	Location	Qualifier
source	1..24	/organism="synthetic construct" /db-xref="taxon:32630"

SEQUENCE (SEQ):
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L8 ANSWER 48 OF 48 GENBANK.RTM. COPYRIGHT 2004 on STN

LOCUS (LOC): AX376573 GenBank (R)
GenBank ACC. NO. (GBN): AX376573
GenBank VERSION (VER): AX376573.1 GI:19170674
CAS REGISTRY NO. (RN): 409209-92-3
SEQUENCE LENGTH (SQL): 1543
MOLECULE TYPE (CI): DNA; linear
DIVISION CODE (CI): Patent
DATE (DATE): 1 Mar 2002
DEFINITION (DEF): Sequence 1 from Patent WO0200719.
SOURCE:
ORGANISM (ORGN): Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
Euteleostomi; Mammalia; Eutheria; Rodentia;
Sciurognathi; Muridae; Murinae; Mus

NUCLEIC ACID COUNT (NA): 438 a 352 c 293 g 460 t
REFERENCE: 1 (sites)
AUTHOR (AU): Lin,D.C.; Zhao,J.; Chen,J.L.; Cutler,G.
TITLE (TI): Novel receptors
JOURNAL (SO): Patent: WO 0200719-A 1 03-JAN-2002: Tularik Inc. (us)

FEATURES (FEAT):		
Feature Key	Location	Qualifier
source	1..1543	/organism="Mus musculus" /db-xref="taxon:10090"
CDS	44..997	/note="mouse TGR18 G-protein coupled receptor (GPCR)" /codon-start=1 /protein-id="CAD26816.1" /db-xref="GT:19170675"

/translation="MAQNLSCENWLATEAILNKY
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LISLAWALVTLEVLPMLTFINSV
PKEEGSNCIDYASSGNPEHNLIYSLCLTLLGFLI
PLSVMCFYYKMWVFLKRRQQQA
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SLTSFRT"

SEQUENCE (SEQ):

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121 tgcaatcgag ttcattttg gactgcttg gaatgtact gtgggtttcg gctacctt
181 ctgcatgaag aactggaaaca gcagcaatgt ctatctttt aaccttcca tctctgactt
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301 tggagatgtt ctctgtataa gcaaccgata tggcttcac accaacctc acaccagcat
361 cctcttcctc actttcatta gcatggaccg atatctgctc atgaagtacc ctttccgaga
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481 gaccttagaa gttctaccca tgctcacttt catcaattct gtcacaaaag aagagggcag
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601 cctgactttg ttgggcttcc taattcctct ctctgtatg tgcttcttct actacaagat
661 ggtagtcttc taaaagagga ggagccagca gcaagcaact gcccgtccac tggacaaaacc
721 ccaacgcctg gtggccttg cggttgtat cttctctata ctcttcacac cctatcatat
781 catgcgcaat ttgaggatcg cctcacgcct ggatagttgg ccacaaggat gtacacagaa
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1021 cagccaaaat gagacacttg ataaacagtg ctgtgcagtt gagttttaaac taagtaaacc
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STN INTERNATIONAL LOGOFF AT 15:51:30 ON 11 FEB 2004